AMENDMENTS TO THE SPECIFICATION

In the Abstract:

Kindly remove the title from the Abstract page.

Kindly replace the Abstract with the following Abstract:

--A transmission method adjusts the size of aggregated packets based at least on the congestion of a transmitting network device. The adjusting comprises includes aggregating at least two small messages, received from an upper layer, into a packet, providing the packet to a pending queue, passing packets to a network device and selecting packets from the pending queue or the buffer depending on whether or not the pending queue is empty. --

In the Specification:

Kindly add the following section between paragraphs [0003] and [0004]:

--SUMMARY OF THE INVENTION

[0003.1]   There is therefore provided, in accordance with a preferred embodiment of the present invention, a transmission unit including an aggregation unit and a fireout unit. The aggregation unit aggregates in a buffer at least two small messages received from an upper layer into a data packet and to provide the packet to a pending queue. The fireout unit passes packets to a network device by selecting packets from the pending queue or the buffer depending on whether or not the pending queue is empty.

[0003.2]   Additionally, in accordance with a preferred embodiment of the present invention, the unit also includes a reception monitor to indicate to the fireout unit the status of reception of the packets.

[0003.3] Moreover, in accordance with a preferred embodiment of the present invention, the fireout unit operates at a rate related to network congestion.

[0003.4] Further, in accordance with a preferred embodiment of the present invention, the network congestion may be transmitter congestion, receiver congestion or congestion of network elements.

[0003.5] There is also provided, in accordance with a preferred embodiment of the present invention, a transmission unit including a transmitting network device and a unit for adjusting the size of aggregated data packets produced by the network device based at least on network congestion.

[0003.6] Moreover, in accordance with a preferred embodiment of the present invention, the unit for adjusting includes the aggregation unit and fireout unit described hereinabove.

[0003.7] Further, in accordance with a preferred embodiment of the present invention, the transmission unit also includes a reception monitor to indicate to the fireout unit the status of reception of the packets.

[0003.8] There is also provided, in accordance with a preferred embodiment of the present invention, a software product including a computer usable medium having computer readable program code unit embodied therein for causing transmission of packets to a network. The computer readable program code unit in the software product includes a computer readable program code unit for causing a computer to aggregate in a buffer at least two small messages received from an upper layer into a data packet and to provide the packet to a pending queue and a computer readable program code unit for causing the computer to pass packets to a network drive, selecting them from the pending queue or the buffer depending on whether or not the pending queue is empty.

[0003.9]   Moreover, in accordance with a preferred embodiment of the present invention, the product includes a code unit for causing a computer to indicate to the second code unit the status of reception of the packets.

[0003.10]   Further, in accordance with a preferred embodiment of the present invention, the second code unit operates at a rate related to network congestion.

[0003.11]   There is also provided, in accordance with a preferred embodiment of the present invention, a method including adjusting the size of aggregated data packets based at least on the congestion of a transmitting network device.

[0003.12]   Moreover, in accordance with a preferred embodiment of the present invention, the adjusting includes aggregating in a buffer at least two small messages received from an upper layer into a data packet, providing the packet to a pending queue. passing the packets to a network device and selecting the packets from the pending queue or the buffer depending on whether or not the pending queue is empty.

[0003.13]   Further, in accordance with a preferred embodiment of the present invention, the method includes indicating the status of reception of the packets.

[0003.14]   Still further, in accordance with a preferred embodiment of the present invention, the passing operates at a rate related to network congestion. --